

Listing of Claims:

Claims 1-3 (Canceled).

4. (Currently Amended) ~~The~~ A pressure sensor device
according to claim 1, comprising:

a thin diaphragm made of brittle material, in which a strain
resistance gauge is formed in a surface thereof; and

5 a stopper member including a concave portion comprising a
curved surface parallel to a surface formed by displacement of
said diaphragm, said concave portion being disposed so as to face
said diaphragm;

10 wherein said stopper member comprises a leading hole for a
pressure-transmitting medium to be led to said diaphragm in a top
portion of the concave portion having the curved surface parallel
to the surface formed by displacement of said diaphragm.

5. (Previously Presented) A pressure sensor device
comprising:

a diaphragm in which a strain resistance gauge is formed in
a surface;

5 a pair of stopper members having respective concave portions
in the shape of curved surfaces parallel to surfaces formed by
displacement of said diaphragm, the stopper members being

disposed at respective sides of said diaphragm so that said
concave portions face said diaphragm; and

10 a base having fluid paths that lead a pressure-transmitting
medium from top portions of said concave portions in said stopper
members to both sides of said diaphragm and a pair of
pressure-receiving portions connected to said respective fluid
15 paths to transmit pressure to the pressure-transmitting medium
injected into said fluid paths.

6. (Previously Presented) The pressure sensor device
according to claim 5, wherein a sensor chip, which is formed of
said diaphragm and said pair of stopper members, is fixed to said
base with a pressure-absorbing body interposed therebetween.

7. (Previously Presented) The pressure sensor device
according to claim 5, wherein said pair of pressure-receiving
portions comprises a pair of diaphragms provided to the base.

Claim 8 (Canceled).

9. (Currently Amended) ~~The~~ A pressure sensor device
~~according to claim 2, comprising:~~

a thin diaphragm made of brittle material, in which a strain
resistance gauge is formed in a surface thereof;

5 a stopper member including a concave portion comprising a curved surface parallel to a surface formed by displacement of said diaphragm, said concave portion being disposed so as to face said diaphragm; and

another said stopper member,
10 wherein the stopper members are disposed so as to face respective sides of said diaphragm; and

 wherein each of said stopper members comprises a leading hole for a pressure-transmitting medium to be led to said diaphragm in a top portion of the concave portion having the
15 curved surface parallel to the surface formed by displacement of said diaphragm.